Date Entered 07-DEC-99 Date Updated 07-DEC-03

NOAA Restoration Center

Brush Creek Restoration Project

Project Description

This project restored 1.5 miles of stream shading to Brush Creek by planting 2000 trees.

Project Nickname	Brush Creek /NOAA RC-95/NFWF-95/NFWF-97		
Location	Santa Rosa, Sonoma County, CA, 95409 SWR		
Program	Community-based Restoration	**Congressional District**	CA 1
Lat, Long Coordinates	-122.677, 38.4525	**Land Ownership**	Public
Implementation Start Date	08-FEB-96	**Implementation End Date**	01-MAR-96
River Basin	Russian	**HUC**	18010110
Geographic Identifier	Bodega Bay	**USGS Topo Quad**	CLOVERDALE
Project Status	Implementation Complete	**Project Type**	Restoration
Project Status Description	project completed		
Landmark	Crosses State Highway 12; Confluence of Brush and Santa Rosa Creeks		
Number of Volunteers	75	**Volunteer Hours**	100
Volunteer Description	elementary school students		
Proposed Project?		**Project Closed?**	Y
FY Completed	1996		

Habitat Information

Type	Acres Created	Acres Re-established	Acres Rehabilitated	Acres Enhanced	Acres Protected	Stream Miles	# Plants/ Animals
riparian zone		3					2015 trees

Species Information

Commonname	Genus	Species	Population Name	NMFS Status	Species Type
Alder, white	*Alnus*	*rhombifolia*			plant
Oak, coast live	*Quercus*	*agrifolia*			plant
Trout, steelhead	*Oncorhynchus*	*mykiss*	?	?	animal
Trout, rainbow	*Oncorhynchus*	*mykiss*			animal

Partners

California Department of Fish and Game
Sonoma County Water Agency
City of Santa Rosa Community Development Departm
City of Santa Rosa Parks and Recreation Department
Sonoma County ReLeaf
Discovery Center of Sonoma County
Committee for Restoring Santa Rosa Creek
Hidden Valley Elementary School
Proctor Terrace Elementary School
Douglas Whited Elementary School
Montgomery High School
Golden Bear Biostudies

Restoration Techniques

riparian planting

Contacts

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NOAA Involvement

project design
project management
monitoring
technical assistance/expertise
source of funding

Monitoring Information

Characteristic	Type
Finfish utilization	Functional
Shading	Structural

Additional Info

Funding Information

Funding Mechanism	FY Awarded	NOAA Contribution	Partnership Contributio	Total Partnership Contribution
NOAA Restoration Center	1995	$25,000	$0	$25,000
National Fish and Wildlife Foundation	1995	$50,000	$100,000	$150,000
National Fish and Wildlife Foundation	1997	$50,000	$100,000	$150,000
TOTALS		$125,000	$200,000	$325,000

Other Non-Federal $ $150,000 **Other Federal $** $75,000 **Total Project Cost** $550,000

Funding Recipient City of Santa Rosa

Funding Comments

Project Abstract

Populations of salmon and steelhead trout in California streams are in decline. Many human activities contributed to this situation, including dam construction, water use, farming, mining and forestry practices, overharvesting, and habitat destruction.

As a part of NOAA's effort to restore salmon and steelhead habitat, the NMFS Restoration Center awarded funds for the Brush Creek Restoration Project. The project involved a partnership among the NMFS Southwest Regional Office at Santa Rosa, the City of Santa Rosa, the Sonoma County Water Agency, the California Department of Fish and Game, the Hidden Valley Elementary School and sponsors from local private industry. The plan was to restore 1.5 miles of stream shading to Brush Creek. The creek's once heavy foliage was lost when the waterway was channelized for flood control. Without shading, water temperatures typically rise to levels that are lethal to juvenile salmon and steelhead trout.

The Brush Creek project was a broad-based community effort involving 200 school children, who planted 2000 native trees. The vegetation now provides much needed shelter and food for steelhead trout and salmon to return to the creek. NMFS worked with a local grade school to provide long-term care for the trees and monitor progress of the project.